

09/09/01

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RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/733,607

DATE: 10/01/2001
TIME: 15:13:44

Input Set : A:\NI4447.txt
Output Set: N:\CRF3\10012001\I733607.raw

4 <110> APPLICANT: Tononi, Giulio
5 Cirelli, Chiara
6 Shaw, Paul J.
7 Greenspan, Ralph J.
9 <120> TITLE OF INVENTION: Vigilance Nucleic Acids and Related
10 Diagnostic, Screening and Therapeutic Methods
13 <130> FILE REFERENCE: P-NI 4447
15 <140> CURRENT APPLICATION NUMBER: US 09/733,607
C--> 16 <141> CURRENT FILING DATE: 2001-09-10
18 <150> PRIOR APPLICATION NUMBER: US 09/456,785
19 <151> PRIOR FILING DATE: 1999-12-08
21 <160> NUMBER OF SEQ ID NOS: 27
23 <170> SOFTWARE: FastSEQ for Windows Version 4.0
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26 <211> LENGTH: 317
27 <212> TYPE: DNA
28 <213> ORGANISM: Drosophila
30 <400> SEQUENCE: 1
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32 ttgaatctgc ctaactgctg tcttgcaggg ctgtaggctt cggccaaaaa ttaagtctac 120
33 agtctctgctg attccgggca gttgaaatga tgcaagatga gaggctca 180
34 taacgcgttg tgcaccgtac aatttagtac ccgacattcc ttgagagcta gacggcacca 240
35 gacgtcccaa cttacccaaat atatctttt tgctctatct atatgtatgt cgcataatcta 300
36 gtttatgcta gttgtag 317
38 <210> SEQ ID NO: 2
39 <211> LENGTH: 356
40 <212> TYPE: DNA
41 <213> ORGANISM: Drosophila
43 <400> SEQUENCE: 2
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45 tatttctgctg gactcctgtt attcatcctg tcgtctgctt tccattatca cacgttctca 120
46 acgctcacaa gattgcttca aaccgatctg tctctatccc gcatctgctt gccccggat 180
47 cgttttgata tgtgaatgcc ttacacgatc cacgcgtttt aagabccsc ccagtccaaac 240
48 ccgaatcccg ccacggccct tttttccacc aatctcgcaa gatgccttgc tcgtttgtt 300
49 aatacgcttt yygaagacgr aagatcaaga caaatcaaat caaatcgatc caattt 356
51 <210> SEQ ID NO: 3
52 <211> LENGTH: 393
53 <212> TYPE: DNA
54 <213> ORGANISM: Drosophila
56 <400> SEQUENCE: 3
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58 tgcataatggg catcgacttt gctggcgtcg tgatgggctg gaagttcttc gatcacgcag 120
59 cscatttggg cggcgcatgt ttggcatctt ttggccacg tatggggcac agatatggc 180
60 aaagcgcatt ggtctactga attactacca tgacctgcgc cggacgaagc agaaatagta 240
61 caggaggctt ggggattcgc caagtgaacg gacggggagc tgaggcaata gagcggtcrr 300
62 ggttagcacta cgctgtgtca ataagagtga catcgttctg ctttagaagt tcattgaaat 360
63 cagttaaagtt gaataaatcg ttgacatccat gat 393

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65 <210> SEQ ID NO: 4
66 <211> LENGTH: 505
67 <212> TYPE: DNA
68 <213> ORGANISM: Drosophila
70 <400> SEQUENCE: 4
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72 gttaagtaag gcaccacgac ttatattagc aacaactgtt gtttcttggc ttttctcaca 120
73 attagaaaaga aattgaaaatg gaaaactcatt tagatcatag gtttcttcct tattgacacg 180
74 atactcttct ttcgttttat ctattatctc ctctaaatac tcttttacat caacactatc 240
75 atcaattaaa ctagcaatct tcccatttt tacaataaag ttagtatgag gaggatccaa 300
76 agcataatca tttaaatgtt accaataaag caatgttta aacaactttt ctttttcctt 360
77 ttccttagta acttgcgtttt ttttttaggtt cctcatttga aacctcagga tttaaatgtt 420
78 ttgaatcatc ccatgtata ggagaagaaa tcsatgtga tctactccaa gatagtcgkg 480
79 attgatcmtc agtggattga ctgaa 505
81 <210> SEQ ID NO: 5
82 <211> LENGTH: 169
83 <212> TYPE: DNA
84 <213> ORGANISM: Drosophila
86 <400> SEQUENCE: 5
87 gcccctctga ctcactgagc ctccgcccctt accaaccctt ggtgttcctc agcctcgtaa 60
88 ctggcccccagc ttccaggata cggacctctg agtccgggtt cgtataccctt acaaccacaa 120
89 tcacgatcac gaagaagact cccggcgaaga taagcccaag gacaagtct 169
91 <210> SEQ ID NO: 6
92 <211> LENGTH: 291
93 <212> TYPE: DNA
94 <213> ORGANISM: Drosophila
96 <400> SEQUENCE: 6
97 tgccggatgt taacataggr gtttagtctaa aggtotgcga gagcatcgac aaggagctt 60
98 gatcatccta caatcagcag aggcagcagc aacgcaaggv agccaaamvg gagcagcagg 120
99 tgacgcgggc agaaacgtac gattccatta gacgtttgg acgcgcctt caaaaagccaa 180
100 ggccaaagggg aataccaggm aaggaaaga gaacgtaaa aagaggcgtc agccgctt 240
101 caggaaacgg acaaggaaag ggraammccc cccccccsaa ttccggaggg c 291
103 <210> SEQ ID NO: 7
104 <211> LENGTH: 267
105 <212> TYPE: DNA
106 <213> ORGANISM: Drosophila
108 <400> SEQUENCE: 7
109 gtttagcctac ggatatgtaa agcggtcaag agaaacagac aaatgttata tgtataagcg 60
110 aataatgtgg tcccaattcc tgcgatataat gcgaatataat cggggaaatcg gactgtattt 120
111 tattgtatgg atatagaaga aagagagaga gagaggagcc agggagctgc gggcgtgc 180
112 gaggaggaga ataggtcgat gaggaaatggg aacggcagaa gagcaagaga taaaccacga 240
113 aatcatacgg aaaccactag agagcag 267
115 <210> SEQ ID NO: 8
116 <211> LENGTH: 225
117 <212> TYPE: DNA
118 <213> ORGANISM: rattus
120 <400> SEQUENCE: 8
121 gttctttttt ttccggagct ggggactgaa cccagggcct tgcgcttcct aggtaaaggaa 60
122 tctacctcgc agctaaatcc ccagccccc gctcactggc ttccaggagtc 120

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123 attttatata caaggaaact gaagcatgaa gggtagatc acctgctcag gctccctaca 180
124 gcttgcagt gattagcaaa ttactctgtc aggttcctc aagta 225
126 <210> SEQ ID NO: 9
127 <211> LENGTH: 219
128 <212> TYPE: DNA
129 <213> ORGANISM: rattus
131 <400> SEQUENCE: 9
132 gcttggctt tttggcagta cagggtttct cttttagcc ctggatgtct tggaaactcac 60
133 gtttagaac acggctggcct tggcactcag aaatccatca gccttgcct cacaccactt 120
134 tgcaactgtc atctcttaaa tgcaaattat attattgtct gaaatttaaa atattgtttt 180
135 gtgactacat tatgtggtgc tttgtatatg cttggccca 219
137 <210> SEQ ID NO: 10
138 <211> LENGTH: 213
139 <212> TYPE: DNA
140 <213> ORGANISM: rattus
142 <400> SEQUENCE: 10
143 tttccagtg ggagttataa ctcagcaatc tctttgtataa ggagtgataa aaacaatcaa 60
144 atgttgtcaa gctagaacaa tgtacacaag aatttaattt gatgtcccat gaggggtatg 120
145 tttctctat gctcaaccct tagaggcaat caggtaat taccaatttata ccaattata 180
146 cgaaaagcca ggctagataa agattatatt ttc 213
148 <210> SEQ ID NO: 11
149 <211> LENGTH: 205
150 <212> TYPE: DNA
151 <213> ORGANISM: rattus
153 <400> SEQUENCE: 11
154 tagctactta aagttaaaaa tcactctaatttatttgcata tagaaactca aaaaaaaaaa 60
155 gaaaatcaca gaaacataat caaatgggag aaggcaggag agaatggctt caacagattt 120
156 aagttggctg ttgggactga ggaggagagg acctgatgaa aagaccatgc tctggggaca 180
157 gggatacctt agattctctg tctac 205
159 <210> SEQ ID NO: 12
160 <211> LENGTH: 154
161 <212> TYPE: DNA
162 <213> ORGANISM: rattus
164 <400> SEQUENCE: 12
165 aagttcagtt atactttaa atggtttgcgtgaatctt ctcttatgtt cttcttaaga 60
166 aaatttgcgaa gttcatacga gttagacatt aagaaaataaa taagaatattt gaggacgtgt 120
167 gttataggaa tgtaatttc caagcaacca gtac 154
169 <210> SEQ ID NO: 13
170 <211> LENGTH: 167
171 <212> TYPE: DNA
172 <213> ORGANISM: rattus
174 <400> SEQUENCE: 13
175 ctgaaagggtt gagttgatta gagaaaaaaaaa ataattaaga ccaaagtgtt gtgtttgggt 60
176 ttccatttgg aactgtgaat cttggcaaag accaccctaa ctttgacttg ctacccaggc 120
177 actcaccttc tgcccttcta tctcttgct tcacccatcg ctcaaga 167
179 <210> SEQ ID NO: 14
180 <211> LENGTH: 244
181 <212> TYPE: DNA
182 <213> ORGANISM: rattus

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184 <400> SEQUENCE: 14
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186 taaatccccca acccctcaat gtttgaaaa gacggtaaat accttgcgt ttaagaataa 120
187 acaggctaga gcgatggctc aggggataag gcctgtatata aagccatgtc cacacgtcac 180
188 agtgaataca tagctcaaata gactaaactg agtctaaatt actaaaggga agcagcattt 240
189 gtgc 244
191 <210> SEQ ID NO: 15
192 <211> LENGTH: 263
193 <212> TYPE: DNA
194 <213> ORGANISM: rattus
196 <400> SEQUENCE: 15
197 catgttcttt tctacttggg tcaaaatacg gcagtaatct tgctgggcaa tgcagacaaa 60
198 ctggcagtca tccacctttg tcctcatgac tccttcatg tactcttgc tccatggtggg 120
199 cgaaacaccca aagctgttc ccatgcacag tatttctgct ttcccatctg gatacgtcac 180
200 ctccaccgaa ccattgagaa tcactgacca ggaatccagc tcttctccat catttaacac 240
201 aatggttcca gctctttcca cca 263
203 <210> SEQ ID NO: 16
204 <211> LENGTH: 121
205 <212> TYPE: DNA
206 <213> ORGANISM: rattus
208 <400> SEQUENCE: 16
209 tatattttatg gacatctaag taggttccat ttcctctctg ttgtaaataa tgcattcata 60
210 aatgcaaatg tagaagggtgt ctttgcgtt ggttagttaag agccctotga atatacagcc 120
211 t 121
213 <210> SEQ ID NO: 17
214 <211> LENGTH: 82
215 <212> TYPE: DNA
216 <213> ORGANISM: rattus
218 <400> SEQUENCE: 17
219 tgggtactt catacaaaga atattagaaa agggtatgca aaaggaagac agttaagtgg 60
220 tagatggctg cccaaagaaat gc 82
222 <210> SEQ ID NO: 18
223 <211> LENGTH: 114
224 <212> TYPE: DNA
225 <213> ORGANISM: rattus
227 <400> SEQUENCE: 18
228 ttacgggctg tgagctctcg agttgcgacc gccttattca gtttacagct gggtagattt 60
229 ttaaggagtg agacccaaag taataaacct gtgattgttag catgcacaac tcag 114
231 <210> SEQ ID NO: 19
232 <211> LENGTH: 138
233 <212> TYPE: DNA
234 <213> ORGANISM: rattus
236 <400> SEQUENCE: 19
237 gaataataga actttttaca gccaaaggaca ttgcattgtgt acgacgcattc cctgaagtgt 60
238 tggcttcat ggtggtaaag ctgacccaaag tcactgaaca caatattgca gccattcaac 120
239 tcacattttgt aacggagg 138
241 <210> SEQ ID NO: 20
242 <211> LENGTH: 221
243 <212> TYPE: DNA

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Input Set : A:\NI4447.txt
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244 <213> ORGANISM: rattus
246 <400> SEQUENCE: 20
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248 gttttaaata cttaagatta aataaatgtt acaggtgatt tttttaaaaaa aaatgtacaa 120
249 cagtcatcat gtttttaaac ctccctgaaaa ttactgtatt ctcatcatat attttgaag 180
250 gagcttaat aacaaaaattt atcacataca tttctcagag a 221
252 <210> SEQ ID NO: 21
253 <211> LENGTH: 219
254 <212> TYPE: DNA
255 <213> ORGANISM: rattus
257 <400> SEQUENCE: 21
258 agatttattt attatgtaga cagcgttcca cctgcattgtt cacgtgcagg ccagaagagg 60
259 gcaccagatc tcattacaga tggttgttag cccaccatgtt ggttgctggg aattgaactc 120
260 atgacctctg gaagagcaat tagtgcctt aaccactgtag ccattctcc agccccacga 180
261 tgaggttctt aagagctgca accaagtggg ggacgataa 219
263 <210> SEQ ID NO: 22
264 <211> LENGTH: 215
265 <212> TYPE: DNA
266 <213> ORGANISM: rattus
268 <400> SEQUENCE: 22
269 ctgtcaggggc tcagggaaaca ctgtgaaaga ggaagtgaat aaatgtgaga gtcagagggtt 60
270 ggggtgaaag gctatgaaat gctgccttat agatacgaca tggctactgc agatgtgcatt 120
271 tcacagtaac caccgattacc tacataatata caaggcagtc acattccagc atggataagg 180
272 gagaaggtca taagaagtat tgcgtggg tagaa 215
274 <210> SEQ ID NO: 23
275 <211> LENGTH: 106
276 <212> TYPE: DNA
277 <213> ORGANISM: rattus
279 <400> SEQUENCE: 23
280 aggaatgcat ctacactcta agtaaaattt attcgttcta atttccgtgt cagttactgc 60
281 tgcgtctgc tcctgcttag cgctatgatc cgaattcagc aagggc 106
283 <210> SEQ ID NO: 24
284 <211> LENGTH: 154
285 <212> TYPE: DNA
286 <213> ORGANISM: rattus
288 <400> SEQUENCE: 24
289 cagcagttct ttccatcttc ttaattggcg ataattttct tcattaagta gaactattca 60
290 ttatgcagag taccattgtg gagatgcaaa tacagcccg gtattcggac agcaaagaca 120
291 aagtgttattt gtggtaaggc ctgagttatc aaaa 154
293 <210> SEQ ID NO: 25
294 <211> LENGTH: 337
295 <212> TYPE: DNA
296 <213> ORGANISM: rattus
298 <400> SEQUENCE: 25
299 agactcaggtaataaataa agaacattgtt gtacattgtt tctttggatc tgagactgg 60
300 agtgtccctg ggctcctatg agggcatcat cagaagatga acaaggtgac tkttgggat 120
301 gctttctgga tggggatga cttggctatg cctggscgca tgggtgtgt kgaactgttt 180
302 cctcgsgtttc ctcggtttc tctctttgtt graagtgtt aagtttgcata agtccat 240
303 actaggtcat gtctctatac tatattccta aagggtccac agtaccctt aatctaccctg 300

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/733,607

DATE: 10/01/2001
TIME: 15:13:45

Input Set : A:\NI4447.txt
Output Set: N:\CRF3\10012001\I733607.raw

L:16 M:271 C: Current Filing Date differs, Replaced Current Filing Date